

# Srujankumar Polepally

## Machine Learning- Project Intern

*A result-oriented Computer Science professional with strong strategic and analytical skills. Seeking to leverage solid skills in collaboration, communication, and development as a Data Analyst. Adaptable Data Analyst skilled in interpreting, and analysing data in a fast-paced environment.*

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### WORK EXPERIENCE

#### International Association of Advanced Materials

Machine Learning - Project Intern

Stockholm, Sweden | July 2021 - current

- Project Title: Predictify Healthcare Application
- The goal of the application, that takes your current lifestyle, food habits and exercise patterns as a input, sit on your mobile and validate that data, compare it with the open health data available, and predict that if you continue today's lifestyle and food habits, where you will end up with respect to health down the line in 10-15-20 years.
- Gathering complex data from different sources and storing it into databases.
- Data Sources: WHO, Agency for Healthcare Research and Quality, Centers for Medicare and Medicaid Services & Hospital Management.
- Use machine learning methods((Supervised & Reinforcement) to predict the data.

#### Lanvit Technologies Pvt.Ltd

Data Analyst Intern

Hyderabad | Apr 2019 - Oct 2019

- Project Title: Thermal Comfort Prediction.
- My purpose was to find challenges that could be solved using machine learning and to turn those difficulties into a machine learning project.
- The state of mind of a person who is at ease in their surroundings, such as temperature, air velocity, humidity, and so on.
- I utilized the ASHRAE Thermal Comfort dataset and performed Data Cleaning, Categorical Features Encoding, and Model Creation. I'm using RandomForestClassifier Ensemble Technique to forecast thermal comfort because my Target Variable is "Thermal comfort" with values as a category.
- Validate user-centric scenarios by extracting, loading, and reconciling massive quantities of data from many system platforms and sources.
- Ensure timely and efficient delivery of data analytics by managing customer expectations and internal deliverables.

#### V2BITS Technologies Pvt.Ltd

Data Mining Intern

Hyderabad, India | Jun 2018 - Dec 2018

- Project Title: Analyzing Customers Pain
- Text Mining - Using BeautifulSoup and Selenium, scraped reviews from the US healthcare industry.
- Natural Language Processing - Using Python libraries like NLTK, Genism, and Scikit-Learn, applied Sentiment Analysis to the review data-set to discover consumer pain areas.
- Manual theme labeling and topic modeling. Implement a data mining system based on customer needs and industry trends.
- Extracting & Analyzing data. Validate various data pulls for accuracy and completeness.
- Develop data mining processes for large data files.

### SKILLS

- Programming Languages – R and Python.
- DBMS – Oracle, SQL, Data Warehouse and MySQL
- Libraries – NLTK, Scrapy, NumPy, Pandas, Matplotlib, Seaborn, Plotly, ROI, tidymodels, tidyverse, ggplot2, Tensorflow, cv2, ANN & CNN.
- Tools – MS Office, Power BI, and Tableau etc.
- Machine learning algorithms: Linear Regression, Logistic Regressions, Decision Tree, SVM, Naïve Bayes, KNN, k-means, Random Forest, Gradient Boosting Algorithms, Open CV, Face\_recognition, keras & tensorflow.
- Statistics Learning - Sample size Determination, Normal Distribution, Probability, and Hypothesis Testing
- Business Intelligence - Dashboards, Visualizations, Reporting, Predictive Analytics, Data Mining, & ETL

### EDUCATION

**Enrolled Master's Degree**

**Micro Data Analysis**

Högskolan Dalarna

Jan 2020 - Jan 2021

Sweden